KHRISTICH, A.T.

3(6)

PHASE I BOOK EXPLOITATION

SOV/1865

Babenko, Yuriy Aleksandrovich, Grigoriy Stepanovich Gladkov, Grigoriy Afanas'yevich Klimenko, Vladimir Petrovich Naumchenko, and Aleksandr Ignat'yevich Khristich

Elektryfikatšiya Ukrayiny za roky Radyans'koy vlady (Electrification of the Ukraine During the Years of the Soviet Regime) Kiyev, Derzh. vyd-vo tekhn. lit-ry URSR, 1958. 150 p. 3,000 copies printed.

Resp. Ed.: I.T. Shvetsya, Academician, UkrSSR Academy of Sciences; Ed.: M. Pysarenko; Tech. Ed.: Z. Vortman.

FURFOSE: The book is intended for the general reader.

COVERAGE: The authors discuss electrification of the national economy of the Ukraine during the prerevolutionary period and during the Soviet Five-Year Plans. Achievements of the Soviet regime are noted. No personalities are mentioned. There are no references.

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APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000722330002-2"

Electrification of the Ukraine During (Cont.)  SOV/1865  SOV/1865	
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AVAILABLE: Library of Congress (TK 86.U5E35)  Card 3/3  JP/fal 7-20-59	

BABENKO, Yuriy Aleksandrovich; GLADKOV, Grigoriy Stepanovich; KLIMENKO, Grigoriy Afanas'yevich; NAUMCHENKO, Vladimir Petrovich; KHRISTICH, Aleksandr Ignat'yevich; PISARENKO, M., red.; GUSAROV, K., tekim. red.

[Electrification of the Ukraine] Elektryfikatsiia Ukrainy. Dersh. vyd-vo tekhnichnoi lit-ny URSR, 1960. 274 p. (MIRA 14:8) (Ukraine—Electrification)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000722330002-2"

KHKISILH B

137-58-3-5681

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 3, p 170 (USSR)

AUTHORS: Khristich, B., Khristich, I.K.

TITLE: Protection of Metals Against Corrosion by Means of Bluing

(Zashchita metallov ot korrozii voroneniyem).

PERIODICAL: Sb.stud. nauchn. rabot. Rostovsk. na-Donu, gos..ped. in-t.

1957, Nr I (22), pp 135-140

ABSTRACT: The authors point out that chemistry textbooks employed in

high schools lack a description of the bluing process. A number of technological systems, recommended for work with students,

is described.

A. L.

Card 1/1

SIMONOV, A.M.; GARNOVSKIY, A.D.; SHEYNKER, Yu.N.; KHRISTICH, B.I.;
TROFIMOVA, S.S.

Some transformations of the systems containing an imidazole ring. Part 3: Action of bases of N-methyl-N'-(2,4-dinitrophenyl)

imidazolium salts. Zhur. bb.khim. 33 no.2:571-579 F '63.

(MIRA 16:2)

1. Rostovskiy-na-Donu gosudarstvennyy universitet.

(Imidazolium compounds)

ACC NR: AP6033307

SOURCE CODE: UR/0409/66/000/004/0611/0613

AUTHOR: Khristich, B. I.; Simonov, A. M.

ORG: Rostov-on-Don State University (Rostovskiy-na-Donu gosudarstvennyy universitet)

TITIE: Some conversions of systems containing the imidazole ring. Part 5: Properties of naphth[1,2-d]imidazole and imidazo[4,5-f] quinoline

SOURCE: Khimiya geterotsiklicheskikh soyedineniy, no. 4, 1966, 611-613

TOPIC TAGS: imidazoquinoline, naphthimidazole, heterocyclic, compound, organic nitrogen compound

ABSTRACT: It was shown earlier that imidazole systems can be directly aminated at the CH group of the imidazole ring, the process being dependent on the nature of the nucleus joined to this ring. In order to study this conversion further, some new derivatives of naphth[1,2-d]imidazole and imidazo[4,5-f] quinoline and their reactions with sodium amide were studied. 3-Benzylnaphth[1,2-d]imidazole (Ia), obtained by benzylating naphth[1,2-d]imidazole, readily reacts with sodium amide in dimethylaniline at 110°, forming 2-amino derivatives (Ic). On the contrary, 3-benzylimidazole[4,5-f]quinoline (IIa) cannot be directly aminated under these conditions; nor does 3-methylimidazo[4,5]quinoline (IIb) form a 2-amino derivative when acted upon by sodium amide, although a similarly structured compound of the naphthimidazole series, (b), readily undergoes such a conversion.

Card 1/2

UDC: 547.785.5+547.831.6+542.958.3

ACC NR

2/2

Card

AP6033307 Ia R=CH2C6H5; R'=H; Ha R=CH2C6H5; R'=H; 6 R=CH3; R'=H; L R=CH; R'=H; c R=CH2C6H6; R'=NH2; c R-CH2C6H6; R'-NH2;  $dR = CH_2C_6H_6; R' = CI.$ Thus, in contrast to the naphthalene ring, the quinoline ring deactivates the 2-position of the imidazole ring joined to it with respect to sodium amide. 2-Amino-3benzylimidazo[4,5-f]quinoline (IIc) can be synthesized only by the action of ammonia in the presence of copper salts on 2-chloro-3-benzylimidazo[4,5-f]quinoline (IId), formed by the action of phosphoryl chloride on 3-benzylimidazolono[4,5]quinoline. When sodium amide acts on 3-substituted derivatives of imidazo[4,5]quinoline, the quinoline ring is not aminated either; this is attributed to the influence of the imidazolo ring. The melting points are (°C): (Ia) 170°; (Ic) 256°; (IIb) 189-190°; (IId) 170-171°. SUB CODE: 07/ SUBM DATE: 15Feb65/ ORIG REF: 004/ OTH REF:

KHRISTICH, I.F., redaktor; PETROVSKAYA, Ye., tekhnicheskiy redaktor.

[Temporary production time arons for assembling and repairing laundry equipment] Vremenuye proisvodstvenuye normy vremeni na montazh i remont prachechnogo oborudovania. Moskva, Izd-vo Ministerstva kommunal nogo khoziaistva, 1950. 111 p. (MLRA 8:9) [Microfilm]

1. Russia (1917- R.S.F.S.R.)Glamoye upravlemiye bannoprachechmogo i parikmakherskogo khonyaystva.

(Laundry machinery)

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KHRISTICH Z. K

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Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 3, p 170 (USSR)

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1957, Nr I (22), pp 135-140

ABSTRACT: The authors point out that chemistry textbooks employed in

high schools lack a description of the bluing process. A number of technological systems, recommended for work with students,

is described.

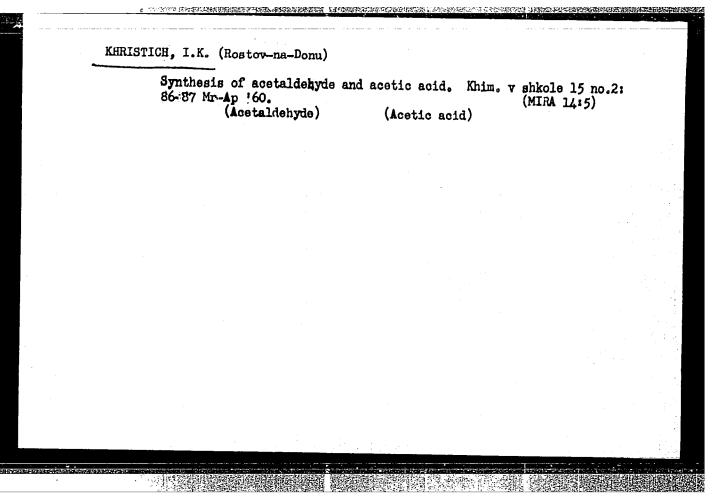
A.L.

Card 1/1

Formation of glucos	se from cellulose.	Khim. v shkole. n	0.2:57-58
Mr-Ap '58 (Glucose)	(Cellulose)		(MIRA 11:3)

Laboratory synthesis of urea-formaldehyde plastics. Khim. v shkole 14 no.1:55 Ja-F 159.

(Plastics)



# KHRISTICH, I.K.

Laboratory synthesis of polybenzyl plastic. Khim. v shkole 17 no.2: 61-62 Mr-Ap '62. (MIRA 15:3)

1. Rostovskiy-na-Donu pedagogicheskiy institut. (Plastics)

## KHRISTICH, I. K.

Laboratory method of obtaining ethyl alcohol by acid hydration of ethylene. Khim. v shkole 17 no.4:62-66 J1-Ag '62. (MIRA 15:10)

1. Pedagogicheskiy institut, g. Rostov n/Donu.

(Ethyl alcohol)

THE STATE OF THE PROPERTY OF T

PARSHIN, A.A., inzh.; REZINK, V.I., inzh.; KHRISTICH, L.M.

New boiler units at the Taganrog Boiler Plant. Bezophtruda v prome 7 no.1:13-15 Ja \*63.

(Taganrog—Boilers)

(Taganrog—Boilers)

MALKINA, D.G.; GUSEV, A.I.; KHRISTICH, M.K. (Voronezh)

Regeneration of the thymus during changes in the thyroid hormone concentration within the organism. Probl. endok. i gorm. 9 no.3:28-31 My-Je 63. (MIRA 17:1)

1./Iz kafedry gistologii i embriologii (zav. - chlenkorrespondent AMN SSSR prof. A.A. Boytkevich) Voronezhskogo

meditsinskogo instituta.

USHAKOVA, Dorq Vasil'yevna; KHRISTICH, O.G. [Khrystych, O.H.], kand.
ekon. nauk; BUTKO, S.D., prof., otv. red.; OLENCHENKO, F.I.,
red.; TROKHIMENKO, A.S. [Trokhymenko, A.S.], tekhm. red.

[Collected problems on general statistical theory]Zbirnyk
zadsch z zahal'noi teorii statystyky. Kharkiv, Vyd-vo
Kharkivs'koho univ., 1962. 190 p. (MIRA15:11)

(Statistics—Problems, exercises, etc.)

2007年1月2日,1918年1月1日,1918年1月1日,1918年1月1日,1918年1月1日,1918年1月1日,1918年1日,19

BUTKO Stepan Danilovich, prof.; GURIN, Wikolay Illariomovich;
ROGACHENKO, Sergey Nikitovich, date.; ISTITLIN, Mark
Yakovlevich. Prinimal uchastiye KHRISTICH, O.G., dots.;
RYABENKO, A.I., red.; YEROSHENKO, T.G., tekhn. red.

[Accounting on collective farms] Bukhgalterskii uchet v kolkhozakh. Pod red. S.D. Butko. Kiev, Gossel'khozizdat USSR, 1962. 417 p. (MIRA 16:2) (Collective farms—Accounting)

SHYETS, I.T., akademik; KHRISTICH, V.A., kand.tekhn.nauk; STRADOMSKIY,
M.V., insh.

Studying the gas-turbine combustion chamber using natural ges
by means of a working-process model. Energomashinostrosmic 4
no.11:26-30 N '58. (MIRA 11:11)

1. AM USSR (for Shvets).

(Combustion research) (Qas turbines)

SHVETS, I.T.[Shvets', I.T.]; KHRISTICH, V.A.[Mirystych, V.O.]

Experimental investigation of the fundamental characteristics of gas-turbine combustion chambers of the vaporization type. Zbir. prats' Inst.tepl. AN URSE no.16:3-12 '59. (MIRA 13:11) (Gas turbines)

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	\$/026/60/000/03/026/028	None given			th All-Union Scientific sery and traction gas-to 25th and 26th November	together with the State S	Commission of the Council of Malisters of the USEN. Reports were read about the testing and operation of gas turbines remains from 500 to 12000 MV and on the design	50 MM gas turbine. T	Turbine and Locomotive Works, Design Institutes, Technical Colleges, Councils of Mational Economy and other	institutes. The following reports were read: "Some Results Achieved in the Davelopment of Small.	secontrol of A.Va. Cabaret of the Ekonomics of Pactory.		8/024/60/000/03/026/028 8194/2484	all-Union Scientific Technical Session on Gas-Turbine re	"Results of Experimental Vork of the All-Union Thermo-	Technical Institute on the Gas Turbine at the Shatsk Undergraumd Gasification Station of Podsemgas by GG. Olithogasis were served.	49 5	lurbine Institute Investigations by the Cantral Boiler Turbine Insti	hardeness and Operating Experience with Gas furbines of the Meva Works Leningrad by L.A. Dorfean of the Neva Engineering Works - The Production of Paris for the Neva	is fit measure by Vankolayer of the Campering Repertment of the Campering of the Campering the Campe	abbers by Managerich of the Kiyev Polyte	dellist.			er-caren berenterio Technical Gession en Ges-Turbine	Research Institute issent A.N.Erylov. "Investigation of Lew-Frequency Pulsation in Charlurbian Combustion Chambers by Q. V. Dubrowsky of the Neve Engisering Morks, for the decisions of the Jessons indicated the same	en scassifik research and experimental work for the period 1960 to 1965.		•			
>		AUTHOR	TITLE	PERIODICAL	ABSTRACT:	J				1		•		The 15th Al			•	•				Card 2/5			Manufactur					Card 3/5	•	
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21793 8/123/61/000/004/024/027 A004/A104

26,2131

AUTHORS:

Shvets, I. T., and Khristich, V. A.

TITLE:

Experimental investigation of the atomizing device in gas-turbine

。 1. 19、1年的中国的特别的国际的特别的国际国际国际的国际的国际的国际的国际的国际的国际,然后的国际的国际的国际的国际的国际的对抗,可以对于自己的国际的特别的国际的国际的国际的国际的国际的国际的国际的国际的国际的国际的国际

combustion chambers of the evaporative type

PERIODICAL: Referativnyy zhurnal, Mashinostroyeniye, no. 4, 1961, 18-19, abstract

4I155. ("Izv. Kiyevsk. politekhn. in-ta", 1960, vol. 30, 98-109)

The investigation of fuel evaporation by injecting it into a pipe TEXT: heated by a flame showed that a high degree of vaporization is ensured if the fuel is injected onto: the surface of a pipe whose temperature does not exceed 500°C. In this case the atomization quality practically does not depend on the injection pressure, varying in the range of 2 - 30 kg/cm2. The degree of vaporization increases with the growing pipe length and the coefficient of air surplus and decreases with the growing air pressure. At low air temperatures the degree of vaporization improves with the growth of the volatility of the fuel. The authors present an empirical formula for the calculation of the pipe length depending on the degree of vaporization, temperature and coefficient of air surplus.
[Abstractor's note: Complete translation] I. Barskiy

Card 1/1

(MIRA 15:6)

KHRISTICH, V.A., kand.tekhn.nauk; LYUBCHIK, G.N.

Intensification of combustion in diffusor burners. Energ. 1

 Kiyevskiy politekhnicheskiy institut. (Gas turbines)

elektrotekh. prom. no.2:24-26 Ap-Je 162.

KHRISTICH, V.A., kand.tekhn.nauk; BASHKATOV, Yu.N.

Use of a pilot burner for improving the operational characteristics of a gas turbine combustion chamber. Energ. i elektrotekh. prom. no.1:25-27 '62. (MIRA 15:6)

1. Kiyevskiy politekhnicheskiy institut. (Gas turbines)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000722330002-2"

KHRISTICH. V.A., kand.tekhn.nauk; BASHKATOV, Yu.N., inzh.;
CHERNIN, Ye.N., inzh.; SHEVCHENKO, A.M., inzh.

Results of tests and final study using a model of the combustion chamber of the CT-25-700-1 gas turbine system with preliminary fuel atomization. Energomashinostroenie 8 no.10:10-13 0 '62. (MIRA 15:11)

(Gas turbines)

ACCESSION NR: AR4015129

S/0124/63/000/012/B047/B047

SOURCE: RZh. Mekhanika, Abs. 12B266

AUTHOR: Khristich, V.A.

TITLE: On pulsation phenomena in the burning of natural gas in gas turbine combustion chambers

CITED SOURCE: Tr. 1-y Vses. nauchno-tekhn. konferentsii po probl. vibratsion. i pul'satsion. goreniya. M., 1962, 51-59

TOPIC TAGS: pulsation, pulsation phenomena, natural gas, gas combustion, gas turbine

TRANSLATION: The author describes the procedure and results of an experimental study of pulsation combustion in the combustion chamber of a gas turbine operating on natural gas: He studied the effects of the following factors on the characteristics of pulsation combustion: 1) the type of burner device; 2) temperature and air excess factor; 3) type of pilot light; 4) air distribution in the chamber. It was found that the use of register burners with preliminary

Card 1/2

ACCESSION NR: AR4015129

fuel atomization. It is shown that there are two ranges of pressure pulsation: the very low frequency range (below 5 cycles/sec) and the higher-frequency range (30-40 cycles/sec).

It has been shown that the appearance of pulsation combustion is accompanied by changes in some of the characteristics of the working process in the chamber. It is shown that pulsation combustion involves the intensification of mixing processes and an increase in the degree of combustion. It has been shown experimentally the possible means of controlling pulsation combustion are as follows: the installation of pilot lights with regulated flame size; regulation of air distribution in the chamber; any other methods affecting the size and structure of the pilot light. Bibliography with 21 titles. Yu.F. Dityakin.

DATE ACQ: 31Dec63

SUB CODE: PH

ENCL: 00

Card 2/2

KHRISTICH, V.A., kend.tekhn.nauk; SHEVCHENKO, A.M., inzh.

Some special features of the operation of telescopic flame pipes with deep overlap of the shells. Izv.vys.ucheb.zav.; energ. 5 no.11:69-73 N '62. (MIRA 15:12)

1. Kiyevskiy ordena Lemina politekhnicheskiy institut. Predstavlena kafédroy parovykh i gamovykh turbin. (Gas turbines)

KHRISTICH, V. A., and BASHKATOV, Yu. N. (KPI)

"Data about nature of vibration burning in high-forced blast furnaces, working on gasiform fuel".

Report presented at the Section on Physics of Combustion, Scientific Session, Council of Acad. Sci. Ukr SSR on High Temperature Physics, Kiev, 2-4 Apr 1963.

Reported in Teplofizika Vysokikh temperatur, No. 2, Sep-Oct 1963, p. 321, JPRS 24,651. 19 May 1964.

KHRISTICH, V.A.; KHAVKIN, Yu.I.; TKACHUK, Yu.F.; SHEVCHENKO, A.M.;

Study of the possibility of conversion of the combustion chambers of the UTU-15-800 gas turbine systems to operation on natural gas. Energ. i elektrotekh. prom. no.2:28-32 Ap-Je '63. (MIRA 16:7)

1. Kiyevskiy politekhnicheskiy institut i leningradskiy mashinestroitel'nyy zavod "Ekonomayzer". (Gas turbines)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000722330002-2"

KHRISTICH, V. A., and LYUBCHIK, G. N. (KPI)

"Certain regularities of development of a diffusion gas torch, burning in the turbulent wake behind stabilizers."

Report presented at the Section on Physics of Combustion, Scientific Session, Council of Acad. Sci. Ukr SSR on High Temperature Physics, Kiev, 2-4 Apr 1963.

Reported in Teplofizika Vysokikh temperatur, No. 2, Sep-Oct 1963, p. 321, JPRS 24,651. 19 May 1964.

ACCESSION NR: AP4014235

5/0143/64/000/001/0063/0068

AUTHOR: Khristich, V. A. (Candidate of technical sciences); Shevchenko, A. M. (Engineer)

TITLE: Effect of the operating mode and injector design upon the temperature level of the flame-tube walls in a gas-turbine combustor

SOURCE: IVUZ. Energetika, no. 1, 1964, 63-68

TOPIC TAGS: gas turbine, gas turbine combustor, flame tube, flame tube wall temperature, gas turbine injector, injector design, gas turbine operating mode

ABSTRACT: An experimental investigation is reported of the effect of (a) airfuel ratio in the chamber, (b) inlet air temperature, (c) injector design, (d) fuel distribution between the principal and keep-alive injectors, and (e) combustion mode, upon the temperature level of the flame-tube walls. Natural gas from the Daphava fields was used in a large-scale (1:2.5) model of the GT-25-700 gasthrbine combustor. These injector types were tested: (1) pre-mixing register type with 45° blades, (2) diffusion air-twisting register type, (3) diffusion, non-

Card 1/2

KHRISTICH, V.A., kand. tekhn.nauk; BASHKATOV, Yu.N., inzh.; BULAVITSKIY, Yu.M., inzh.

Study of the possibility of the conversion of the combustion chamber of the GT-25-700-1 gas turbine system to gas and steam operation. Energ. i elektrotekh. prom. no.4:19-21 0-D 164. (MIRA 18:3)

KHRISTICH, V.A., kand. tekhn. nauk; LYUBCHIK, G.N., inzh.

Nomogram for designing gas burners. Energ. 1 elektrotekh. prom. no.4:21 O-D %64. (MIRA 18:3)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000722330002-2"

KHRISTICH, V.A.; SHEVCHENKO, A.M.

Efficient design for the flame tubes of gas-turbine combustion chambers. Mash. i neft. obor. no.6:13-17 '64. (MIRA 18:2)

1. Kiyevskiy politekhnicheskiy institut.

KHRISTICH, V.A., kand. tekhn.nauk; LABINOV, S.D., inzh.

Effectiveness of using a cycle with intermediate regeneration in power generating and transport gas turbine systems. Izv. vys. ucheb. zav.; energ. 7 no.8:46-52 Ag \*64. (MIRA 17:12)

1. Kiyevskiy ordena Lenina politekhnicheskiy institut. Predstavleno kafedroy parovykh i gazovykh turbin.

ACCESSION NR: AP4045906

5/0114/64/000/009/0012/0015

AUTHOR: Khristich, V. A. (Candidate of technical sciences); Bashkatov, Yu. N. (Engineer); Chernin, Ye. N. (Engineer); Shevchenko, A. M. (Engineer)

TITLE: Effect of a burner on the characteristics of a gas-turbine combustor

SOURCE: Energomashinostroyeniye, no. 9, 1964, 12-15

TOPIC TAGS: combustor, combustor test, combustion chamber, combustion chamber test, gas turbine/GT-25-700-1-LMZ gas turbine plant

ABSTRACT: A continuation of the authors' earlier experiments (Energomashinostroyeniye, 1962, no. 10) is reported. The possibility of a radical improvement in a premixing register burner by modifying its design was explored. The principal experiments were conducted at an air pressure of 1.5 atm, a temperature before the chamber of 300C, an air flow of 7-8 m<sup>8</sup>/sec, and an air-fuel ratio of 4.5-20 (primary-air ratio, 121-5). Several types of

Card 1/3

## ACCESSION NR: AP4045906

burners were tested; four of them are shown in Enclosure 1. The flow aero-dynamics was investigated with a cold blowdown of the chamber. Register burner I was found to produce the highest temperature field in the flame tube. The best operating conditions of the flame tube were observed (at 700C of exhaust gases) with nonregister-type diffusion burners. The intensity and completeness of combustion were also investigated (curves supplied), as well as combustion stability, pressure loss in the chamber, and the temperature field of exhaust gases. Orig. art. has: 6 figures and 2 tables.

ASSOCIATION: Kiyevskiy politekhnicheskiy institut (Kiev Polytechnic Institute); Leningradskiy metallicheskiy zavod (Leningrad Metal Plant)

SUBMITTED: 00

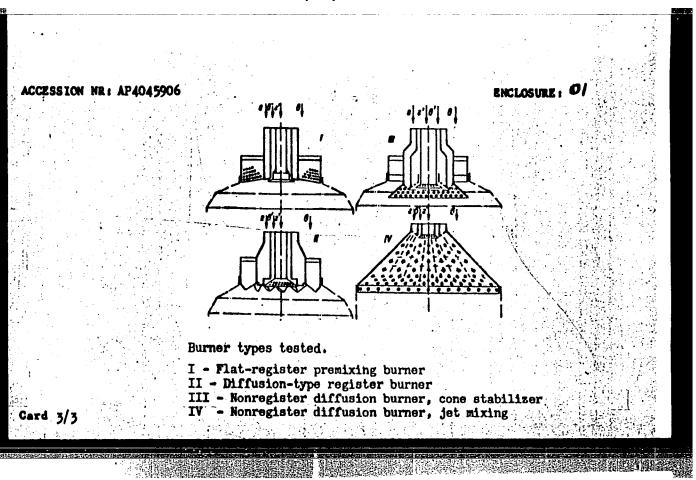
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SUB CODE: PR

NO REF SOV: 002

OTHER: 000

Card 2/3



L 25032-65 EPA/EPA(s)-2/EWT(s)/EPF(c)/EPR Pr-4/Ps-4/Pt-10 WW/JW/MLK ACCESSION NR: AT5004225 S/0000/64/000/000/0202/0206

AUTHOR: Khristich, V. A.; Lyubchik, G. N.

TITLE: Some relationships for a gaseous diffusion flame burning in the turbulent wake behind a flame holder

SOURCE: AN UkrSSR. Institut tekhnicheskov teplofiziki. Teplofizika i teplotekhnika (Thermophysics and heat engineering). Kiev, Naukova dumka, 1964, 202-206

TOPIC TAGS: diffusion flame, air breathing propulsion, flame holder, combustion

ABSTRACT: It has been previously found that diffusional burning behind a flame holder gives very high mixing rates, short flame lengths, and higher combustion efficiencies as compared with conventional diffusion flames. Since the flame length is a function of air velocity, high and variable air excess coefficients can be used, which makes the process suitable for use in turbine combustion chambers and in other processes. The design of such a process presents difficulties because of the lack of experimental data. The process has there-

Card 1/3

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ACCESSION NR: AT5004225

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fore been studied by obtaining velocity and concentration profiles and by flame photography to determine the effect of the following parameters on the flame length: gas discharge velocity (10-210 m/sec) air velocity (10-50 m/sec), diameter of the gas nozzle (1-5 mm), width of the flame holder (20-40 mm), opening angle of the flame holder (30-180°), angle of attack of the airstream (0-24°), and position of the gas jet in the vertical plane (0-180°). The flame length increased with increasing gas velocity, increasing gas nozzle diameter, and increasing flame holder width, and it decreased with increasing air velocity, opening angle of the flame holder, and angle of attack of the airstream. Since the gas jet was deflected by the recirculation zone in the direction of the flame holder apex, i.e., countercurrently to the airstream, the trajectories of the gas jet could be calculated by a method for jets in transverse flow developed by Yu. V. Ivanov. The experimental data were correlated by an empirical equation for the relative length of the flame as a function of the gas and air densities and velocities, the width of the flame holder, and the gas nozzle diameter. It is recommended that more data be obtained over a wider range of operating and geometry parameters to make the relationship more accurate. Orig. art. has: 3 figures. 2/3

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L 25031-65 EPA/EPA(s)-2/EWT(m)/EPF(c)/EPR Pr-4/Ps-4/Pt-10 WW/JW/MLK

ACCESSION NR: AT5004226

5/0000/64/000/000/0215/0222,2

AUTHOR: Khristich, V. A.; Bashkatov, Yu. N.

TITLE: The nature of oscillatory combustion in high-performance combustion chambers operated with gaseous fuel

SOURCE: AN UkrSSR. Institut tekhnicheskoy teplofiziki. Teplofizika i teplotekhnika (Thermophysics and heat engineering). Kiev, Naukova dumka, 1964, 215-222

TOPIC TAGS: combustion, combustion chamber, air breathing propulsion, combustion instability, oscillatory combustion

abstract: Combustion instability was studied in a test combustion chamber 209 mm in diameter and 6 m long equipped with pressure and oscillation gages. Some of the results were verified on the full-size CT-25-700 turbine combustion chamber. In the experiments, the locations of the instability regions in the chamber and the oscillation frequencies and amplitudes were determined with 5 different burners as a function of the air excess coefficient and air flow velocity (up to 40 m/sec). The calculated natural frequencies and the amplitudes were in good agreement with experimental values. The width of Cord 1/2

L 25031-65

ACCESSION NR: AT5004226

the instability regions was a function of air velocity and the air excess coefficient; it decreased with an increasing air excess coefficient. The number and size of the instability regions was found to be dependent on the type of burner. Two burners had substantially different behavior with respect to instability although their geometry was similar. It is concluded that the flame structure is the most important factor in instability. Stability improves when long, thin flames are used. A short wide flame decreases stability. The flame structure can also be changed by varying the primary-to-secondary air ratio. Orig. art. has: 5 figures.

ASSOCIATION: Kiyevskiy ordena Lenina politekhnicheskiy institut (Kiev Polytechnical Institute)

SUBMITTED: 10Aug64

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Card 2/2

KHRISTICH, V.A., kand. tekhn. nauk; SHEVCHENKO, A.M., inzh.

Performance of the flame tubes of gas turbine conbustion chambers operating on natural gas. Energ. i elektrotekh. prom. no.2:20-23

Ap.Je 164.

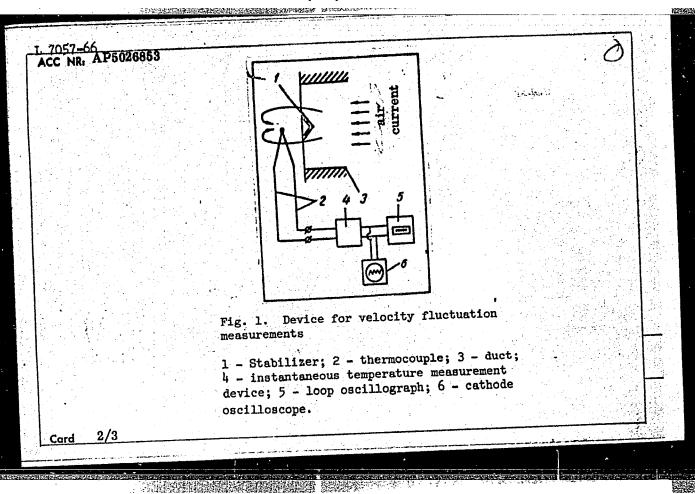
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. 41817-65 EPA/EAP(1)/EPF(n)-2/EPR/T-2/EPA(bb)78286/65/000/007/0153/0154 CESSION NR: AP5010969	
muone vertetich. Ve Ac	
The: Annular combustion chamber for a gas turbine. Class 46,	
OURCF: Byulleten' izobreteniy i tovarnykh znakov, no. 7, 1965,	
53-154	
tabilizer, combustion	
BSTRACT: This Author Certificate was issued for an annular combustion hamber with a flame tube inside which a fuel collector and a stabhamber with a flame tube inside which a fuel collector and a stabhamber with a flame tube length, the stabilizing device is	**
rocess and reduce the flame tube length, the stabilizing device rocess and reduce the flame tube length, the stabilizing device rocess and reduce the flame radial angles inclined to each other	
and fixed afternately out to achieve uniform fuel supply, such	•
collector is made of two with fuel feed ports provided bening [AC]	
atabilizer angles.	

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7	L 7057-66 EWT(1)/EWP(m)/EWA(d)/FCS(k)/ATU(m)/EWA(1) ACC NR: AP5026853 SOURCE CODE: UR/0170/65/009/004/0501/0506	
	AUTHOR: Bannikov, A. I.; Khristich, V. A.; Lyubchik, G. N.	3
	ORG: Kiev Polytechnic Institute (Politekhnicheskiy institut, Kiev)	
	TITLE: Thermoelectric method for measuring gas flow velocity fluctuation	
	SOURCE: Inzhenerno-fizicheskiy zhurnal, v. 9, no. 4, 1965, 501-506	
	TOPIC TAGS: gas flow, flow velocity, velocity measuring instrument, flow measurement, turbulent flow, thermoelectric sensor	
	ABSTRACT: The theoretical and experimental investigation of combustion and heat exchange processes in fluctuating and turbulent flows indicate that the velocity fluctuations determine decisively the intensity of the processes. However, the existing methods for velocity fluctuation measurements are either incompletely developed or inapplicable to high temperature tion measurements are either incompletely developed or inapplicable to high temperature flows. Consequently, working at the Institute of Engineering Heat Physics of the AN UkrSSR of the AN UkrSSR in cooperation with the Kiev Polytechnic Institute (Kiyevskiy politekhnicheskiy institut), the authors developed a thermoelectric method permitting determinations within very hot gaseous currents. Experiments with the device, shown in Fig. 1, confirm its reliability and simplicity, and the data obtained are in fair agreement with those obtained using different methods of flow velocity fluctuation determination.	
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KHRISTICH, V.A., kand. tekhn. nauk; OL'KHOVSKIY, G.G.; CHERNIN, Ye.N., inzh.; BASHKATOV, Yu.N., inzh.; SHEVCHENKO, A.M., inzh.; TUMANOVSKIY, A.G., inzh.; GOROBETS, V.S., inzh.

Some results of the tests and adjustment of the combustion chambers of the gt-25-700 and gtn-9-750 gas turbine power systems. Teploenergetika 12 no.2:16-20 F '65. (MIRA 18:3)

1. Vsesoyuznyy ordena Trudovogo Krasnogo Znameni teplotekhnicheskiy institut imeni F.E. Dzerzhinskogo; Kiyevskiy politekhnicheskiy institut i Leningradskiy metallicheskiy zavod.

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	ACC NR: AR6003724 SOURCE CODE: UR/0285/65/000/009/0021/0021	1-1				
	AUTHOR: Khristich, V. A.; Shevchenko, A. M.					
	TITLE: Cooling efficiency of the perforated flame tube of a gas turbine combustion					
	chamber					
	SOURCE: Ref. zh. Turbostroyeniye, Abs. 9.49.140					
	REF SOURCE: Vestn. Kiyevsk. politekhn. in-ta. Ser. teploenerg., no. 1, 1964, 50-57	Y				
TOPIC TAGS: gas turbine engine, natural gas, combustion chamber, flame tube. Engine component, swell coaling eyeren, composited chamber with the first tube is a plane perforated cylinder, simple in shape and to many ABSTRACT: The tube is a plane perforated cylinder, simple in shape and to many ABSTRACT: The tube is a plane perforated cylinder, simple in shape and to many the through the holes, creating a dense low temperature layer along its walls tube through the holes, creating a dense low temperature layer along its walls decreasing the convective heating of the walls, and facilitating removal of some amount of heat produced by radiation. The tube tendency to wrapping is diminitude the life of the chamber is increased, and the amount of heat-resisting steel unreduced. The tube is promising for use in combustion chambers working on gas T. Gonikberg.						
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SOURCE CODE: UR/0124/66/000/005/B051/B052 AR6028073 (A, N)ACC NRI

AUTHORS: Khristich, V. A.; Shevchenko, A. M.

TITLE: Several characteristics of heat transfer in a gas turbine combustion chamber operating on gaseous fuel

SOURCE: Ref. zh. Mekhanika, Abs. 5B314

REF SOURCE: Vestn. Kiyevsk. politekhn. in-ta. Ser. teploenerg., no. 2, 1965, 26-33

TOPIC TAGS: gas turbine engine, combustion chamber, combustion research, flame tube, thermocouple

ABSTRACT: Experiments were performed on a common single-register combustion chamber of the straight-flow type. The flame-tube is welded as a single unit. Three rings of 4-mm diameter openings for cooling air are located on its shoulders, and the flame-tube wall cooling is compound. The fuel unit is of the diffusion type. Air is introduced into the combustion region through the register and a perforated cup. To determine the metal and air temperatures, 39 and 8 chromel-aluminum thermocouples, respectively, are used. To measure the flame temperature, movable, water-cooled platinum-rhodium thermocouples were placed at three sections along the length of the flame tube. Compound probes were located at the entrance and exit of the combustion chamber to measure the temperature and velocity of the air and gases. The experiments

Card 1/2

### ACC NR: AR6028073

were performed at 1.08-1.37 bar. It was established that during natural gas combustion the heat flow to the walls of the flame tube can exceed 100 · 10<sup>3</sup> wt/m<sup>2</sup> despite the weak radiance of the flame. The convection component represents about 30-40% of the total heat flow in the type of combustion chamber investigated. The total heat flow and its components are not uniformly distributed along the length of the flame tube. The character of the heat flow distributions is strongly dependent on the initial temperature, structure of the flame, and on the operating parameters of the combustion chamber. The cooling of the flame tube walls is accomplished basically by convection. It is important to develop new rational flame tube designs, which will lower the convective part of the heat flow and increase the radiative heat extraction. Bibliography of 4 titles. A. Salamov [Translation of abstract]

SUB CODE: 20, 21

Card 2/2

DYACHENKO, S.S.; ELISHIMA, M.O.; KHRISTIGH, V.M.

Investigating the antigen structure of Shigella paradysenteriae;
Sonne preliminary report. Mikrobiol.zhur. 16 no.3: 64-69 '54.

1. Z mikrobiologichnogo viddilu Ukrain'skogo institutu epidemiologii ta mikrobiologii, m. Titv.

(ANTIGENS AND ANTIRODIES,
Shigella dysenteriae antigenic structure)

(SHIGELLA,
dysenterae, antigenic structure)

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KHRISTICH, V.M. [Krystych, V.M.], mladshiy nauchnyy sotrudnik

Some indices of the coagulatinf and anticoagulating blood systems in pregnant women with rheumatism. Ped. akush. i gin. 24 no.1:52-53'62. (MIRA 16:8)

1. Ukrainskiy nauchno-issledovatel skiy institut okhrany materinstva i detstva (direktor - kand.med. nauk O.G.Pap [Pap, O.H.]).

(BLOOD-COAGULATION) (PREGNANCY, COMPLICATIONS OF)

(RHEUMATIC FEVER)

POLYAKOV, N.I., kandidat tekhnicheskikh nauk; NEVSKIY, B.N., inshener, retsenzent; KHRISTICH, Z.D., kandidat tekhnicheskikh nauk, redaktor.

[Organization of machine tool management in the factory] Organizateila instrumental nogo khosisistva savoda. Kiev, Gos. nauchno-tekhn. isd-vo mashinostroit. i sudostroit. lit-ry [Ukr. otd-nie] 1953. 269 p. (MLRA 7:7) (Machine tools)

KHRISTICH, Z.D., dots., kand. tekhn. nauk; KRUCLYAK, L.A., inzh., retsenzent; KUNIN, F.A., inzh., red.

[Automation of the manufacture of metal-cutting tools] Avtomatizatsiia instrumental'nogo proizvodstva. Moskva, Mashinostroenie, 1964. 215 p. (MIRA 17:10)

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RODIN, Petr Radionovich; KHRISTICH, Z.D., kend.tekhn.nauk, retsenzent; SHAPIRO, A.I., insh., red.; ONISHCHENKO, N.P., red.

[Fundamentals of the theory of the design of metal-cutting tools] Osnovy teorii proektirovaniia rezhushchikh instrumentov. Moskva. Gos.nauchne-tekhn.izd-vo mashinostroit.lit-ry.

1960. 159 p. (MIRA 13:5)

(Metal-cutting tools)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000722330002-2"

KHRISTICH, Zakhar Dem'yanovich; MOROZENKO, Semen Nikitovich; RCDIN, P.R., kend.tekhn.nauk, retsenzent; GAVRILOV, V.D., inzh., red.; ONISHCHENKO, N.P., red.; GORNOSTATPOL'SKAYA, M.S., tekhn.red.

[Sharpening of metal-cutting tools; manual for grinders] Zatochka reshmahchego instrumenta; uchebnoe posobie dlia rabochikh-satochni-kov. Moskva, Gos.nauchno-tekhn.isd-vo mashinostroit.lit-ry, 1960. 169 p. (MIRA 13:12)

(Metal-cutting tools)

DASHEVSKIY, Il'ya Isaakovich; ZASLAVSKII, Simon Shlemovich;
KRRISTICH. Z.D., dotsent, kend.tekhn.nauk, retsenzent;
CHISTIAKOTA, L.G., red.; GCHNOSTATPCH'SKATA, M.S., tekhn.red.

[Manual on sefety measures for grinding-machine operators]
Pamtatta dlia shlifovshchikov i satochnikov. Moskva, Gos.
nauchno-tekhn.isd-vo mashinostroit.lit-ry, 1960. 69 p.

(Grinding and polishing-Safety measures)

(Grinding and polishing-Safety measures)

Matveyevich, kand. tekhn. nauk; RUINIK, Sergey Sergeyevich, Matveyevich, kand. tekhn. nauk; BOVSUNOVSKIY, Yakov Ivanovich, kand. tekhn. nauk; BAZHENOV, Ivan Ivanovich, kand. tekhn. nauk; KOVALENKO, Vladimir Vladimirovich, kand. tekhn. nauk; LOMACHENKO, Zinaida Nikolayevna, kand. tekhn. nauk; RADCHENKO, MIL'SHTEYN, Mark Zel'manovich, kand. tekhn. nauk; RADCHENKO, Yuliya Gavrilovna, kand. tekhn. nauk; REZNICHENKO, Mikhail Yuliya Gavrilovna, kand. tekhn. nauk; TRUBENOK, Aleksandr Davidovich, Petrovich, kand. tekhn. nauk; TRUBENOK, Aleksandr Davidovich, kand. tekhn. nauk; SHNAYDERMAN, Isay Yakovlevich, kand. tekhn. nauk; GOLUBOV, N.P., kand. tekhn. nauk, retsenzent; MAKSIMOV, DUMANSKAYA, V.A., kand. tekhn. nauk, retsenzent; MAKSIMOV, G.D., kand. tekhn. nauk, retsenzent; YAKOVENKO, G.A., kand. tekhn. nauk, retsenzent; YAKOVENKO, G.A., kand.

[Technology of the manufacture of machinery] Tekhnologiia mashinostroeniia. [By] S.A.Kartavov i dr. Kiev, Tekhnika, 1965. 526 p. (MIRA 18:7)

1. Kafedra tekhnologii mashinostroyeniya Kiyevskogo politekhnicheskogo instituta (for all except Golubov, Maksimov, Yakovenko).

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S/049/61/000/003/005/005 D249/D301

AUTHOR:

Khristichenko, P.I.

TITLE:

The problem of the equation of motion of pendulum

seismographs

PERIODICAL:

Akademiya nauk SSSR. Seriya geofizicheskaya. Izvestiya,

no. 3, 1961, 443-444

TEXT: The purpose of the present paper is to obtain a more exact differential equation of motion of a seismograph. When a time dependent constraint is applied to a material point, its motion has two components; translational (together with the constraint) and relative (along the constraint). The equation of motion is given (Eq. 1).  $\vec{v}_{a} = \vec{v}_{e} + \vec{v}_{r}$  (1)

Neglecting its rotational motion, this equation can be differentiated with respect to time t to give the accelerations  $\bar{w} = \bar{w} + \bar{w}$  (2)

Assuming the resistance of the medium to be directly proportional to the

Card 1/3

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The problem of the equation...

velocity, the author finds from Newton's second law that  $m\bar{w} = \bar{F} + (-m\bar{w}) + (-\beta\bar{v}_r) + (-\beta\bar{v}_e)$  (3) where  $\beta$  is the resistance  $\bar{m}\bar{w} = \bar{F} + (-m\bar{w}) + (-\beta\bar{v}_r) + (-\beta\bar{v}_e)$  (3) where  $\beta$  is usually coefficient. In the seismograph theory the force  $\beta\bar{v}_e$  is usually neglected although it affects both the amplitude and phase of the neglected although it affects both the amplitude and phase of the neglected although it affects both the amplitude and phase of the neglected although it affects both the amplitude and phase of the neglected although it affects both the amplitude and phase of the neglected although it affects both the amplitude and phase of the neglected although it affects both the amplitude and phase of the neglected although it affects both the amplitude and phase of the neglected although it affects both the amplitude and phase of the neglected although it affects both the amplitude and phase of the neglected although it affects both the amplitude and phase of the neglected although it affects both the amplitude and phase of the neglected although it affects both the amplitude and phase of the neglected although it affects both the amplitude and phase of the neglected although it affects both the amplitude and phase of the neglected although it affects both the amplitude and phase of the neglected although it affects both the amplitude and phase of the neglected although it affects both the amplitude and phase of the neglected although it affects both the amplitude and phase of the neglected although it affects both the amplitude and phase of the neglected although it affects both the amplitude and phase of the neglected although it affects between the neglected although it affects be

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$$\ddot{\varphi} + \frac{\beta}{m} \dot{\varphi} + \frac{\beta}{l} \sin \varphi = -\frac{\ddot{X}}{l} \cos \varphi + \frac{\ddot{Y}}{l} \sin \varphi - \frac{\beta \ddot{X}}{lm} \cos \varphi + \frac{\beta \dot{Y}}{lm} \sin \varphi. \tag{8}$$

assuming that the oscillations small (i.e.  $\cos \varphi = 1$ ,  $\sin \varphi = \varphi$ ), Eq.(8) may be written as

(For Eq. (9) see next card)

Card 2/3

# KHRISTIC HENKO, P.I. Supplementary remarks on Sh. N. Pliat's article "Solution of problems of nonsteady heat conduction of hollow cylinders by Grinberg's method. Inzh.-fiz. zhur. 6 no.7:128-129 Jl '63. (MIRA 16:9) 1. Gosudarstvennyy universitet imeni I.I. Mechnikova, Odessa. (Heat—Conduction) (Pliat, Sh.N.)

# KHRISTICHENKO, P.I. Nonstationary temperature field of a spherical shell. Inz.-fiz. shur. 4 no.12:70-74 D '6l. (MIRA 14:11) 1. Gosudarstvennyy universitet imeni I.I. Mechnikova, Odessa. (Heat—Conduction) (Shell molding (Founding))

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	) Pf-4/Peb ASD(f)-2/ 70/64/000/011/0090/0093
AUTHORS: Khristichenko, P. I.; Prokopets, S. I.	<b>/</b>
TITIE: Nonstationary temperature field of a nonclosed cylin	drical shell 26
SOURCE: Inzhenerno-fizicheskiy zhurnal, no. 11, 1964, 90-93	
TOPIC TAGS: cylindrical shell, temperature field, thermal s	tress
ABSTRACT: The authors treat the problem of solving	
$\frac{\partial l}{\partial F_0} = \frac{\partial^2 l}{\partial r^2} + \frac{1}{r} \frac{\partial l}{\partial r} + \frac{r^2}{r^2} \frac{\partial^2 l}{\partial \varphi^2};$	(U)
subject to $l(r, \varphi, Fo) = l^{\circ}(r, \varphi);$ (2)	
$\frac{\partial l}{\partial t} + Bi_1 \left[ l_1 \left( \varphi, Fo \right) - l \right] = 0, r = 1;$	
$\frac{\partial t}{\partial r} - \text{Bi}_{s} \left[ t_{s} (\varphi, \text{Fo}) - t \right] = 0, \ r = \delta;$	
$l(r, 0, F_0) = f_1(r, F_0), l(r, \varphi_0, F_0) = f_1(r, F_0)$ (4)	
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by the method of finite i	ntegral transforms, using asymptot coefficients. Orig. art. has: 19	ic methods to get quick
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L 13260-63

EWT(d)/FCC(w)/BDS

IJP(C) s/044/63/000/003/011/047

AUTHOR:

Khristichenko, P. I.

TITLE:

On asymptotic formulas for eigenfunctions and eigenvalues in the case of periodic boundary conditions

AFFTC

PERIODICAL:

Referativnyy zhurnal, Matematika, no. 3, 1963, 39, Abstract 38178 (Tr. AN TadzhSSR, 109, 1961, 100-106, summary in

TEXT:

The boundary value problem is considered for the equation

 $y'' + [s^2 + q(x)]y = 0$ 

with periodic boundary conditions  $y(0) = y(\pi)$ ,  $y'(0) = y'(\pi)$ . The function q(x) and its derivative q'(x) are assumed to be continuous (the abstracter [I. Sobol'] believes that it is necessary to require absolute continuity of q'(x).

$$s_n = 2n + 0(1/2n)$$

Card 1/2

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and for the cor	responding eigenfunct	ions.			
Abstracter's [I	. Sobol'] comment. 0	n page 103 the a		formulas,	
	q(t) cos st dt = 5 when the derivative of te: Complete transla	(X) is shear	0(1/s <sup>2</sup> ),		
	co. Complete transla	tion.]			
Card 2/2					

KHRISTICHENKO, P.I.

Nonsteady heat conduction and thermoelastic stresses in a hollow cylinder. Inzh.-fiz. zhur. 6 no.7:76-82 Jl '63. (MIRA 16:9)

1. Gosudarstvennyy universitet imeni I.I.Mechnikova, Odessa.
(Heat conduction) (Thermal stresses)

L 62185-65 EPH(n)-2/EPR/EPA(s)-2/EMG(v)/FMT(1)/EMA(1) Pe-5/Ps-4/Pt-7/Pu-4 WW ACCESSION NR: AP5010468 UR/0294/65/003/002/0272/0275 536.21.001 AUTHOR: Khristichenko, P. I. TITIE: Concerning one method of solving problems of thermal conductivity of two- and three-layer systems Zeplofizika vysokikh temperatur, v. 3, no. 2, 1965, SOURCE: 272-275 TOPIC TAGS: thermal conductivity, layered system, boundary condition ABSTRACT: By transforming the equations for the heat exchange between the individual layers of a two- and three-layer sandwich structure into boundary conditions applying to the individual layers, the author succeeds in splitting the coupled thermal-conductivity equations for the entire system into individual equations applicable to each layer individually. A step by step procedure is developed for the case of a three-layer system. It is shown that whereas for a Card 1/2 

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KHRISTICHESNKO, P. I. (Odessa State university)

"Certain questions of analytic theory of thermal capacity of constant foundry castings"

Report presented at the Section on Thermal-physical Properties and Non-stationary Thermal Capacity, Scientific Session, Council of Acad. Sci. Ukr SSR on High Temperature Physics, Kiev, 2-4 Apr 1963.

Reported in Teplofizika Vysokikh temperatur, No. 2, Sep-Oct 1963, p. 321, JPRS 24,651.

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2000年,1900年,1900年,1900年,1900年,1900年,1900年,1900年,1900年,1900年,1900年,1900年,1900年,1900年,1900年,1900年,1900年,1900年,19

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1. Is kliniki koshno-venericheskikh bolezney Stanislvaskogo neditsinskogo instituta. (ASCARDIS AND ASCARIASIS) (SKIN--DISEASES)

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ABDUSAMETOV, R.Kh. (Seminalatinsk), ANTON'YEV, A.A., Kand.med.nauk. (Rostov-
na-Domu), BRZHDSKIY, V.Ch. (Tihhvin, Leningradekaya oblest')
GRZHHBIN, Z.H., Drof. (Chernovitey), IVANCY, R.A., Drof. (Leningrad)
KAZAKOV, V.I., dots. (Stavronol' na Kawkare), SLADKOVICK, S.Ye.
(Noskva), TORSUYKY, N.A., Drof. (Rostov-na-Domu), MAESIROVIK, A.A.,
dots. (Rostov-na-Domu), PAYN, A.E., kand.med.nauk (Saratov) MERISTIN, L.I.
prof. (Stanislav), YAKUBSON, A.K., Drof. (Novosibirsk), LENNIKOV, Te.P.,
assistent (Novosibirsk)

Problems of teaching dermatovenerology in medical institutes, Vest.
dorm. i ven. 32 no.3:60-69 '58 (MIRA 11:7)

(DERMATOLOGY, educ.
in Russia (Rus))

(SYPHILOLOGY, educ.
in Russia (Rus))
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1. Iz kafedry kozhnykh i venericheskikh bolezney Stanislavskogo meditsinskogo instituta.

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KHRISTIN, L. Prof.; TSHETSETSKAYA, Ye.K.; DIMITRASHKO, V.I.

Epidermophytosis in combination with other lesions of the skin.

Vest.derm.i ven. 35 no.5:63-64 \*62. (MIRA 15:5)

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(DERMATOMYCOSIS) (SKIN--DISEASES)

KHRISTININ, Viktor Ivanovich [Khrystynin, V.I.]; MILORADENKO, P.F.

[translator]; FINK, L.Y.[Fink, L.I.], red.; CHUCHUPAK, V.D.,
tekhn. red.

[Daily hygienic exercises for women] Shchodenna higienichna
gimnastyka dlia zhinok. Kyiv, Derzh. med. vyd-vo URSR, 1961.
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(MIRA 16:5)

(PHYSICAL EDUCATION AND TRAINING)

\$/058/63/000/003/048/104 A062/A101

AUTHORS:

Balabukha, D. K., Levenberg, T. M., Lokutsiyevskaya, L. K.,

Khristinina, G. N.

FITLE:

Sensitometric test for controlling color reproduction. I. Construc-

tion principles of the test

PERIODICAL: Referativnyy zhurnal, Fizika, no. 3, 1963, 87, abstract 3D589

("Tr. Leningr. in-ta kinoinzhenerov", 1961, no. 6, 91 - 98)

This is a report on elaborated construction principles of a test TEXT: for investigating and controlling color reproduction in color photography processes. The application of such a test permits to replace the physiological colorimetric evaluation of the color reproduction by a physical evaluation, based on the measurement of the dye concentrations. The investigation, by this test, of all the stages of a color photography process (color separation, synthetic and gradation stages) in their mutual relationship permits to describe the color reproduction as an objective process property characterized by the configuration of the color reproduction bands. The test provides the possibility to Judge on

Card 1/2

Sensitometric test for controll		A062/A101	000/003/048/104
the intermediate images, obtained the color separation and gradation the aid of the test, it is possible in the formation of the test it is possible graphy processes and different to	ble to determine of the quality o	s of these stages the part of diffe f a color image.	Thus, with rent techno-
Abstracter's note: Complete tr	anslation	actors of the sam	e process.
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8/058/63/000/003/049/104 A062/A101 AUTHORS: Balabukha, D. K., Levenberg, T. M., Lokutsiyevskaya, L. K., Khristinina, G. N. TITLE: Sensitometric test for controlling color reproduction. II. Technology of preparing the test for the motion-picture industry PERIODICAL: Referativnyy zhurnal, Fizika, no. 3, 1963, 87, abstract 3D590 ("Tr. Leningr. in-ta kinoinzhenerov," 1961, no. 6, 99 - 105) TEXT: This is a report on the elaborated technology of preparing tests for color reproduction control in multilayer and hydrotype color photography processes, and on the experimental samples of these tests. For Part I see ab-[Abstracter's note: Complete translation] Card 1/1

#### KHRISTIY, S.P. (Kovel')

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1. Infektsionnoye otdeleniye (zav. - S.P.Khristiy) gorodskoy bol'nitsy.

(DYSENTERY) (VACCINES)

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KMRISTO, Andrey Andreyevich

[Powology in Siberis] Plodovodstvo v Sibiri. Izd. 2., ispr. i dop.

[Novosibirsk] Novosibirskos knizhnos izd-vo, 1957. 298 p. (MIRA 11:3)

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1. Kaiedra anatomii cheloveka (zav. - prof. N.D. Dovgyallo) Domet-\$
skogo meditsinskogo instituta.

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Polyunsaturated fatty acid content in the fats of main commercial fishes in the Azov-Black Sea Basin. Vop. pit. 23 no.5:17-20 S-0 (MIRA 18:5)

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